# LEGEND - SERVICES / ABBREVIATIONS

| ELECTRICAL OUTLETS - ABBREVIATIONS | |
|---|---|
| E1 | 110V DUPLEX ELECTRICAL OUTLET |
| E2 | CONTINUOUS ELECTRICAL RACEWAY (110V DUPLEX OUTLETS @ 2'-0" OC.) |
| E3 | 208V |
| E4 | SINGLE FACED PEDESTAL (ONE 110V DUPLEX ELECTRICAL OUTLET) |
| E5 | DOUBLE FACED PEDESTAL (ONE 110V DUPLEX ELECTRICAL OUTLET EACH SIDE) |
| E6 | DOUBLE FACED QUAD PEDESTAL (TWO 110V DUPLEX ELECTRICAL OUTLETS EACH SIDE) |
| E7 | CEILING SUSPENDED REEL (ONE 110V DUPLEX ELECTRICAL OUTLET) |
| E8 | FLOOR OUTLETS (FOUR 110V DUPLEX ELECTRICAL OUTLETS & FOUR DATA OUTLETS) |
| E9 | WORK SURFACE POWER STRIP WITH FOUR TYPE E1 & TWO DATA OUTLETS |
| E10 | SINGLE FACED QUAD PEDESTAL (TWO 110V DUPLEX ELECTRICAL OUTLETS) |
| | |
| /EP | EMERGENCY POWER |
| TL | TASK LIGHTS @ UNDERSIDE OF WALL MOUNTED CABINETS |
| /W | WATERPROOF OUTLET |

| LABORATORY SERVICES | |
|---|---|
| A | COMPRESSED AIR |
| ADW | ANIMAL DRINKING WATER |
| C & HW | COLD & HOT WATER FAUCET |
| CO | CARBON DIOXIDE |
| CW | COLD WATER FAUCET |
| D | SINGLE DATA OUTLET |
| D2 | DOUBLE DATA OUTLET (OR SINGLE DATA OUTLET ON EACH SIDE OF A PEDESTAL) |
| D4 | QUAD DATA OUTLET (OR DOUBLE DATA OUTLET ON EACH SIDE OF A PEDESTAL) |
| ES/EW | EMERGENCY SHOWER / EMERGENCY EYE WASH |
| EW | EMERGENCY EYE WASH |
| FD | FLOOR DRAIN |
| FS | FLOOR SINK |
| G | GAS |
| HB | HOSE BIB |
| HE | HELIUM |
| HW | HOT WATER FAUCET |
| LN | LIQUID NITROGEN |
| N | NITROGEN |
| OX | OXYGEN |
| PW | PROCESS COOLING WATER |
| RO | PURE WATER FIXTURE |
| STM | STEAM |
| T | TELEPHONE |
| V | VACUUM |

| EQUIPMENT | |
|---|---|
| BSC | BIOSAFETY CABINET |
| EQ | EQUIPMENT |
| FH | FUME HOOD |
| LFH | LAMINAR FLOW HOOD |
| VAR | VARIAC (RHEOSTAT) |

| MISCELLANEOUS | |
|---|---|
| ADA | AMERICAN WITH DISABILITIES ACT |
| ADAAG | ADA ACCESSIBILITY GUIDELINES |
| AFF | ABOVE FINISHED FLOOR |
| MTD | MOUNTED |
| NIC | NOT IN CONTRACT |
| OPP | OPPOSITE |
| S | SINK |
| SH | SHELVING |
| SIM | SIMILAR |
| SS | STAINLESS STEEL |
| U/C | UNDER COUNTER |
| VIF | VERIFY IN FIELD |
| W/ | WITH |
| XXX-L | LOCKABLE CABINET |
| XXX-M | MOVEABLE CABINET (NOT ANCHORED TO FLOOR) WITH FINISHED TOP |
| XXX-W | MOVEABLE CABINET ON WHEELS WITH FINISHED TOP |
| | |

# GENERAL NOTES

1. ALL CASEWORK TO BE WOOD UNLESS NOTED OTHERWISE.
2. ALL COUNTERTOPS TO BE BLACK MODIFIED EPOXY RESIN, UNLESS NOTED OTHERWISE.
3. ALL SINKS TO BE MODIFIED EPOXY RESIN, UNLESS NOTED OTHERWISE. COLOR TO MATCH ADJACENT COUNTER TOP. SEE SINK SCHEDULE FOR SINK TYPES.
4. ALL SINKS SHALL BE CENTERED IN THEIR CABINETS, UNLESS OTHERWISE SHOWN ON DRAWINGS.
5. SERVICES SHOWN ON PLANS ARE FOR INFORMATION ONLY. REFER TO MECHANICAL, ELECTRICAL, TELECOM & PLUMBING DRAWINGS FOR EXACT QUANTITY & LOCATION OF SERVICE FIXTURES.
6. ALL SERVICES REQUIRED BY EQUIPMENT ARE NOT NECESSARILY INDICATED ON LAB PLANS. REFER TO MEP DRAWINGS & SPECIFICATIONS.
7. SERVICES ARE NOT INDICATED ON ELEVATIONS.
8. PROVIDE LOCKS AT ALL CABINETS INDICATED WITH AN "L" AND AT ALL ACID & FLAMMABLE STORAGE CABINETS. SEE SPECIFICATION SECTION 12340 FOR KEYING REQUIREMENTS.
9. PROVIDE END PANELS AND FILLERS AS REQUIRED.
10. ALL REAGENT SHELVES AND WALL MOUNTED SHELVES TO BE BLACK PHENOLIC RESIN, UNLESS NOTED OTHERWISE.
11. DRAWINGS ARE DIAGRAMMATIC AND ARE INTENDED TO ESTABLISH BASIC DIMENSION OF UNITS, SIGHT LINES, AND UNIT PROFILES.
12. FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION OF CASEWORK. NOTIFY ARCHITECT OF ANY DISCREPANCY.
13. COORDINATE CASEWORK AND EQUIPMENT WITH WORK OF OTHER TRADES.
14. SEE SPEC SECTION 11600 FOR EQUIPMENT SCHEDULE, SCOPE OF WORK, N.I.C., AND OWNER / CONTRACTOR FURNISHED / INSTALLED EQUIPMENT INFORMATION.
15. PROVIDE CUT-OUTS FOR ELECTRICAL OUTLETS AT ALL KNEE SPACES AND UNDER COUNTER EQUIPMENT SPACE, UNLESS NOTED OTHERWISE. ELECTRICAL OUTLETS AT THESE LOCATIONS ARE NOT SHOWN ON ELEVATIONS.
16. CONTINUOUS WIREMOLD ARE SHOWN ON ELEVATIONS FOR INFORMATION ONLY. SEE ELECTRICAL DRAWINGS.
17. ALL TABLES TO BE MOVEABLE (NOT FIXED TO THE FLOOR), UNLESS NOTED OTHERWISE.
18. FUME HOODS ARE TO BE PRE-PIPED AND PRE-WIRED FOR NOTED SERVICES. WHEN NO SERVICES ARE INDICATED, PRE-PIPE AND PRE-WIRE HOODS FOR AIR, GAS, VACUUM & CAP SERVICES FOR FUTURE CONNECTION TO BUILDING SERVICES.
19. SOME OF THE CASEWORK TYPES INDICATED ON CASEWORK TYPES DRAWING SHEET ARE NOT USED. SEE PLANS AND ELEVATIONS FOR SIZE, LOCATION, AND QUANTITY OF CASEWORK TYPES USED.
20. FINISHED FLOORING SHALL BE INSTALLED UNDER ALL CABINETS. FINISHED FLOORING INSTALLATION SHALL BE COMPLETED PRIOR TO CABINET INSTALLATION. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR BASE TO BE PROVIDED AT TOE SPACE OF ALL CASEWORK AND AT KNEE SPACES.
21. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR CEILING MOUNTED PROJECTORS, PROJECTION SCREENS, AND MARKER BOARDS.
22. PROVIDE REMOVEABLE BACK ACCESS PANELS AT ALL CABINETS AND KNEE SPACES FOR ACCESS TO UTILITY CHASES BEHIND CABINETS.
23. PROVIDE FULL BACK AT BASE CABINETS WITH DRAWERS TO PREVENT OBJECTS FROM FALLING INTO PIPE CHASE BEHIND CABINETS.

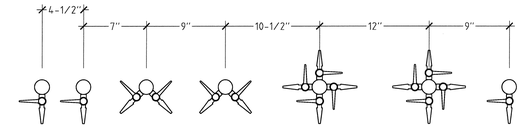
# LAB SERVICE SYMBOLS

| | |
|---|---|
| ◄ | TELEPHONE OR DATA OUTLET MOUNTED ON WALL (OR MOUNTED ON VERTICAL UPRIGHT) |
| ▭ | BENCH MOUNTED SINGLE OR DOUBLE FACED PEDESTAL |
| ⊣ X | WALL OR PANEL MOUNTED SERVICE OUTLETS |
| ⊶ X | BENCH MOUNTED SERVICE OUTLET W/ 1 SERRATED END |
| ⊲ X | BENCH MOUNTED SERVICE OUTLET W/ 2 SERRATED ENDS (90°) |
| X X X X | BENCH MOUNTED SERVICE OUTLET W/ 4 SERRATED ENDS |
| ⬭ | CUP SINK |

# SINK SCHEDULE

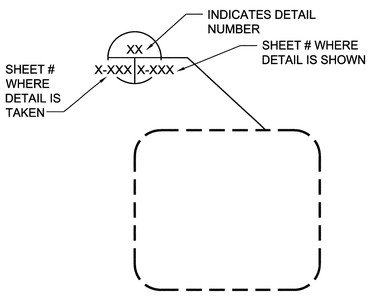
| TYPE | SIZE: (L x W x D INSIDE BOWL DIMENSIONS) | REMARKS |
|---|---|---|
| S01 | 14" L x 4" W x 5" D | CUP SINK WITH S.S. WIRE SCREEN |
| S02 | 18" L x 15" W x 11" D | |
| S03 | 25" L x 15" W x 10" D | NOT USED |
| S04 | 30" L x 18" W x 18" D | |
| S05 | 25" L x 15" W x 5" D | ADA SINK |
| S06 | 18" L x 16" W x 10" D (EACH BOWL) | DOUBLE BOWL |
| S07 | | NOT USED |
| S08 | | NOT USED |
| S09 | | NOT USED |
| S10 | | NOT USED |
| S11 | HAND SINK | NOT USED |
| S12 | 22" L x 16" W x 12" D | NOT USED |
| S13 | 22" L x 16" W x 5" D | NOT USED |
| S14 | 39" L x 18" W x 12" D | S.S. UTILITY SINK. SEE MEP DWGS & SPECS |
| S15 | 14" L x 16" W x 10" D (EACH BOWL) | NOT USED |
| S16 | 30" L x 24" W x 12" D | NOT USED |
| S17 | 9" DIAMETER | S.S. AT ADA WORKSTATION |
| S18 | | NOT USED |
| S19 | | NOT USED |
| S20 | | NOT USED |

# MINIMUM SPACING BETWEEN FITTINGS

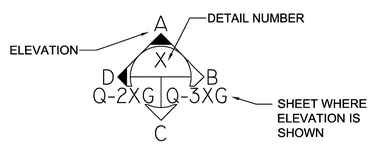



COORDINATE EXACT SPACING REQUIRED WITH FIXTURE SUPPLIER

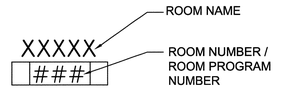
# SYMBOL LEGEND: (PLAN / ELEVATION / DETAIL DRAWINGS)



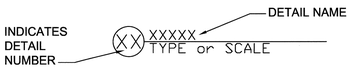

ENLARGED PLAN REFERENCE SYMBOL



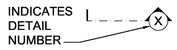

ELEVATION TAG SYMBOL



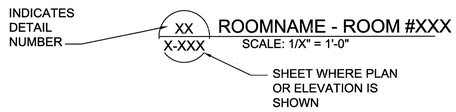

ROOM TITLE SYMBOL




DETAIL TITLE SYMBOL




SECTION SYMBOL




PLAN & ELEVATION TITLE SYMBOL


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LEGEND, ABBREVIATIONS, AND GENERAL NOTES
WARSAW CAMPUS

Date: MAY 11, 2010

| REVISIONS | |
|---|---|
| NO. | DATE |
| | |

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